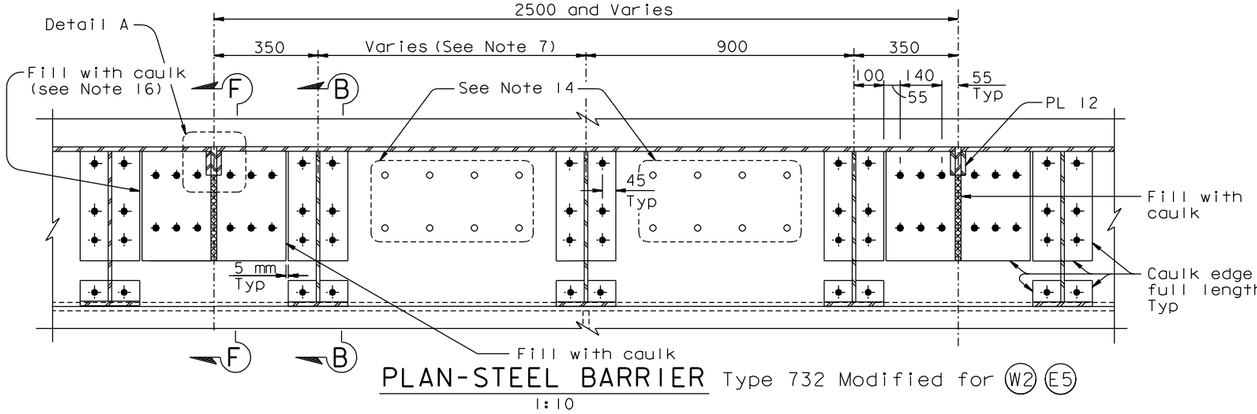
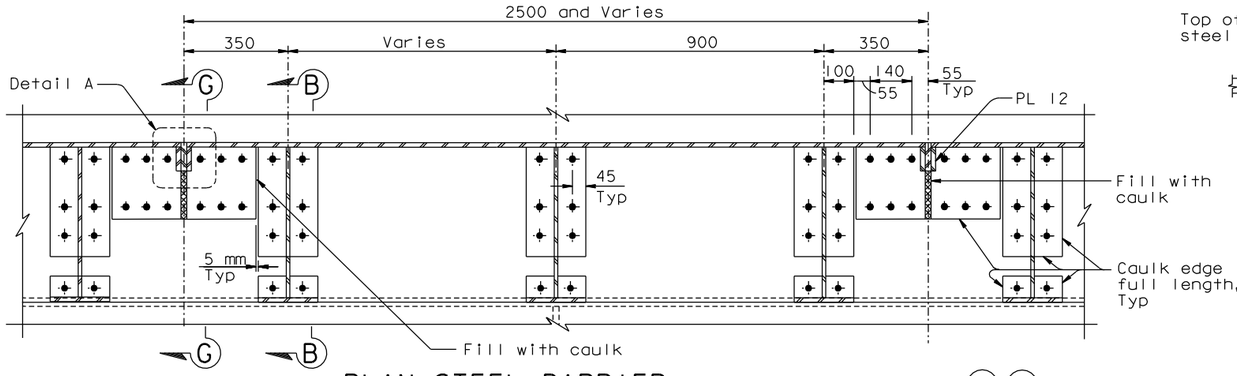


PLAN-STEEL BARRIER Type 732 Modified for (W2) (E5)

1:10

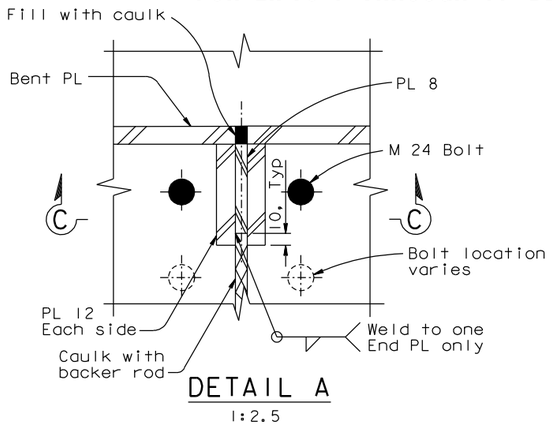
FOR LIFTS 1 THROUGH 6: DECK DRILLED FOR DRAINAGE PLATES (See Note 13)



PLAN-STEEL BARRIER Type 732 Modified for (W2) (E5)

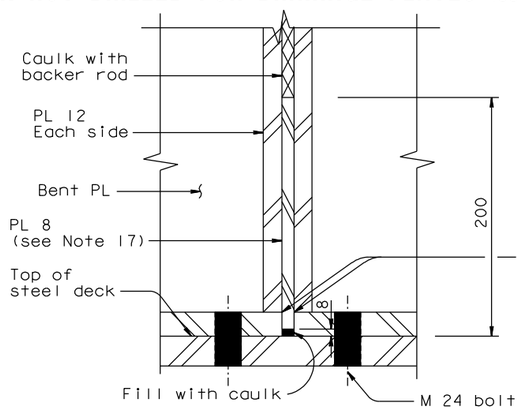
1:10

FOR LIFTS 7 THROUGH 14: DECK NOT DRILLED FOR DRAINAGE PLATES (See Note 13)



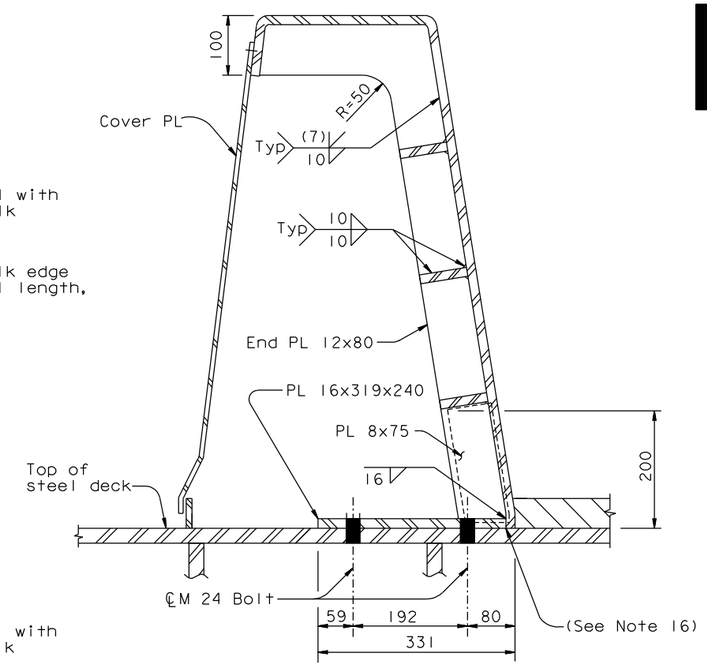
DETAIL A

1:2.5



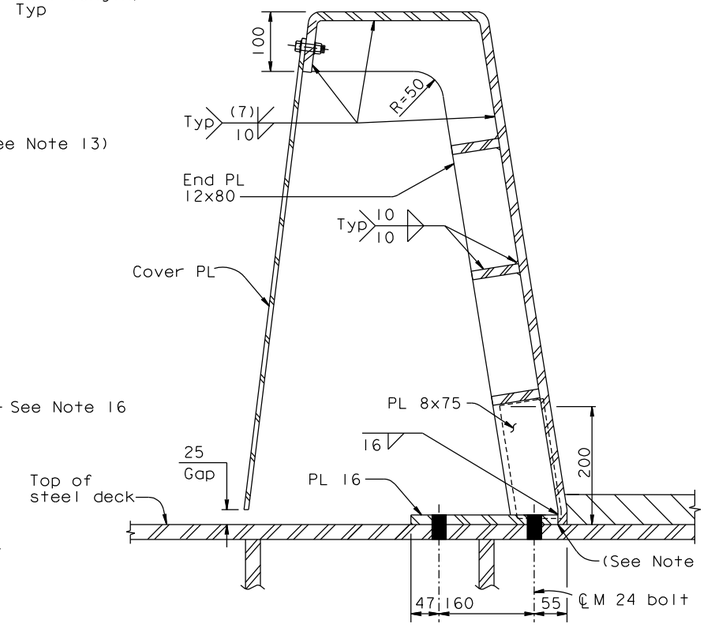
SECTION C-C

1:2.5



SECTION F-F

1:5



SECTION G-G

1:5

NOTES:

1. For steel barrier to box girder connection details, see "Typical Girder Details" sheets.
2. Inlets and flume plates exist on south barrier of each deck only.
3. For locations and details of drainage features, see "Deck Drainage Details" sheets. Slot cover over Diverter plate where shown on "Deck Drainage Details No. 1" sheet.
4. For conduit penetration thru deck and beveled plate detail, see "Utility Details" sheets.
5. For utilities inside barrier, pipe supports and other attachments to barrier, see "Road Plans".
6. The contractor shall provide cutouts for conduit penetrations as required. Conduit penetrations shall be arranged so as to allow removal of cover plate.
7. Barrier length and diaphragm spacing vary west of PP 9 and from PP 118 to Hinge A. See Detail D on "Girder at Pier W2 No. 3" sheet and "Girder Framing Plan No. 4" sheet. Bolt spacings may be varied within the requirements of "Bolt Dimension Table" on "Typical Girder Details No. 1" sheet.
8. For receptacle mounting see "Utility Details No. 2". For locations see "Road Plans".
9. For conduit and box support details, and for call box penetrations and locations, see "Road Plans".
10. Between PP 120+350 and PP 120+1250, the Contractor shall provide shim plates under the barrier base plates and under the barrier connections as required to fill the gap caused by the OBG kink. The 68 Dia drainage cut-out in the barrier diaphragm shall not be blocked, and the caulk shall be thickened under the barrier along the curb lines between these panel points.
11. Bolt holes shall be standard size in the deck PL and oversize in the barrier.
12. All bolts between the barrier and the deck shall be tensioned prior to load transfer.
13. For Section B-B and Details not shown for Lines W2/E5, see "Barrier Details No. 2".
14. Drainage PL 25x319x698 not required. Fill all drilled holes with M22 HS bolts.
15. Following installation of all HS bolts all anchor rods for barrier segment shall be installed snug tight. They shall then be tightened by an additional one-half turn of the nut.
16. At the Contractor's option, a seal weld may be used in lieu of caulk seal between:
    - Base PL 25 & PL 12
    - Base PL 25 & PL 16
    - PL 16 & PL 12, subject to review and approval of the Engineer.
17. At the Contractor's option, the PL 8 may be removed provided the caulk with backer rod is extended to the top of steel deck, subject to review and approval of the Engineer.

△3

18. At the Contractor's option, 12 Dia cap screws may be used in lieu of 12 Dia A307 bolts, subject to review and approval of the Emgineer.
19. At the Contractor's option, 16 Dia oversize holes may be used in the cover PL with washer of sufficient size to cover the oversize holes, subject to review and approval of the Engineer. All flat washers shall be sealing washers with bonded neoprene.

DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SF	80	13.2/13.9	890S2R3	1204

REGISTERED ENGINEER - CIVIL

Marwan N. Nader, No. C 054426, Exp. 12/31/13, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

04-05-10

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

T.Y. LIN / MOFFATT & NICHOL
825 BATTERY STREET
SAN FRANCISCO, CA 94111

Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

CONTRACT CHANGE ORDER NO. ____
SHEET ___ OF ___

REQUESTS FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	04/20/12	BARRIER COVER PL MODIFICATIONS	GB	MN	227
2	01/21/11	BARRIER MODIFICATIONS	GB	MN	44
1	10/22/10	BARRIER MODIFICATIONS	GB	MN	44
0	04/05/10	BARRIER MODIFICATIONS	GB	MN	44

REVISIONS

ALTERNATE BARRIER DETAILS - CONNECTION BEFORE LOAD TRANSFER

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN

DESIGN	BY M. Nader	CHECKED G. Baker	
DETAILS	BY D. Turner	CHECKED J. Duxbury	
QUANTITIES	BY J. Duxbury	CHECKED D. Turner	

PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

R. Manzanarez
PROJECT ENGINEER

BRIDGE NO. 34-0006L/R
KILOMETER POST 13.2/13.9

SAN FRANCISCO OAKLAND BAY BRIDGE
EAST SPAN SEISMIC SAFETY PROJECT
SELF-ANCHORED SUSPENSION BRIDGE
(SUPERSTRUCTURE & TOWER)

BARRIER DETAILS NO. 2B

R. Valizadeh/V. Toan/Y.L./W.L./F.C.
DESIGN OVERSIGHT
SIGN OFF DATE 04/20/12

Rev. Date: 5-18-98

ORIGINAL SCALE IN MILLIMETERS FOR REDUCED PLANS 0 10 20 30 40 50 60 70 80 90 100

CU 04
EA 0120F1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 04/05/10

SHEET 473S2R3 OF

FILE => L:\BB\04-01200I\SAS\Contract Plans and CCO\CCO\CCO#227\2-Update 04-20-12\DGN\akbar03b.dgn

USERNAME => DWinrow DATE PLOTTED => 20 APR 2012 TIME PLOTTED => 13:19:55

100% PS&E